What is claimed is:

	1. An isolated nucleic acid molecule selected from the group consisting of:	
5	a) a nucleic acid molecule comprising a nucleotide sequence which is at	
	least about 60% identical to the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3,	
	SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO: 10, SEQ ID	
	NO:12, or the cDNA insert of the plasmid deposited with ATCC as Accession Number	_
	, or a complement thereof;	
10	b) a nucleic acid molecule comprising a fragment of at least 439 nucleotides	S
	of the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3, the cDNA insert of the	
	plasmid deposited with ATCC as Accession Number, or a complement thereof;	
	c) a nucleic acid molecule comprising a fragment of at least 481 nucleotides	S
	of the nucleotide sequence of SEQ ID NO:4, SEQ ID NO:6, the cDNA insert of the	
15	plasmid deposited with ATCC as Accession Number, or a complement thereof;	
	d) a nucleic acid molecule comprising a fragment of at least 2175	
	nucleotides of the nucleotide sequence of SEQ ID NO:7, SEQ ID NO:9, the cDNA	
	insert of the plasmid deposited with ATCC as Accession Number, or a complemen	ıt
	thereof;	
20	e) a nucleic acid molecule comprising a fragment of at least 439 (CHECK	
	NUMBER) nucleotides of the nucleotide sequence of SEQ ID NO:10, SEQ ID NO:12,	
	the cDNA insert of the plasmid deposited with ATCC as Accession Number, or a	
	complement thereof;	
	f) a nucleic acid molecule which encodes a polypeptide comprising an	
25	amino acid sequence of at least about 60% homologous to the amino acid sequence of	
	SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid	
	sequence encoded by the cDNA insert of the plasmid deposited with ATCC as	
	Accession Number,or;	
	g) a nucleic acid molecule which encodes a fragment of a polypeptide	
30	comprising the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:5 or SEQ ID	
	NO:8, or SEQ ID NO:11, wherein the fragment comprises at least 15 contiguous amino	
	acids of SEO ID NO:2, SEO ID NO:5, SEO ID NO:8, SEO ID NO:1!, or the	

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	polypeptide encoded by the cDNA insert of the plasmid deposited with ATCC as					
	Accession Number,or; and					
	h) a nucleic acid molecule which encodes a naturally occurring allelic					
variant of a polypeptide comprising the amino acid sequence of SEQ ID NO:2, SEQ						
5	NO:5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid sequence encoded by the cDNA					
	insert of the plasmid deposited with ATCC as Accession Number,or					
	, wherein the nucleic acid molecule hybridizes to a nucleic acid molecule					
comprising SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO						
	SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:12, or a complement thereof under stringent					
10	conditions.					
	2. The isolated nucleic acid molecule of claim 1, which is selected from the					
	group consisting of:					
	a) a nucleic acid comprising the nucleotide sequence of SEQ ID NO:1, SEQ					
15	ID NO:3, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO:10,					
	SEQ ID NO:12, the cDNA insert of the plasmid deposited with ATCC as Accession					
	Number,or, or a complement thereof; and					
	b) a nucleic acid molecule which encodes a polypeptide comprising the					
	amino acid sequence of SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11,					
20	or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with					
	ATCC as Accession Number Number,or					
	3. The nucleic acid molecule of claim 1 further comprising vector nucleic					
	acid sequences.					
25						
	4. The nucleic acid molecule of claim 1 further comprising nucleic acid					
	sequences encoding a heterologous polypeptide.					
	5. A host cell which contains the nucleic acid molecule of claim 1.					
30						

The host cell of claim 5 which is a mammalian host cell.

7. A non-human mammalian host cell containing the nucleic acid molecule of claim 1.

	8. An isolated polypeptide selected from the group consisting of:			
5	a) a fragment of a polypeptide comprising the amino acid sequence of SE	Q		
	ID NO:2 or SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or the polypeptide encoded	f		
	by the DNA insert of the plasmid deposited with ATCC as Accession Number	;		
	or, wherein the fragment comprises at least 15 contiguous amino acids o	f		
	SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or the amino acid			
10	sequence encoded by the DNA insert of the plasmid deposited with ATCC as Accession	on		
	Number, or;			
	b) a naturally occurring allelic variant of a polypeptide comprising the			
	amino acid sequence of SEQ ID NO:2 or SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:1	11		
	or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with			
15	ATCC as Accession Number, or, wherein the polypeptide is			
	encoded by a nucleic acid molecule which hybridizes to a nucleic acid molecule			
	comprising SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:	:7,		
	SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:12 or a complement thereof under stringe	nt		
	conditions; and			
20	c) a polypeptide which is encoded by a nucleic acid molecule comprising	a		
	nucleotide sequence which is at least 60% identical to a nucleic acid comprising the			
	nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6,			
	SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:12, or a complement			
	thereof.			
25				
	9. The isolated polypeptide of claim 8 comprising the amino acid sequence	e		
	of SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid			
	sequence encoded by the cDNA insert of the plasmid deposited with ATCC as			
Accession Numberor				
30				
	10. The polypeptide of claim 8 further comprising heterologous amino acid	1		
	sequences.			

11. An antibody which selectively binds to a polypeptide of claim 8.

	12.	A method for producing a polypeptide selected from the group consisting
	of:	
5	a)	a polypeptide comprising the amino acid sequence of SEQ ID NO:2,
	SEQ ID NO:	5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid sequence encoded by
	the cDNA in	sert of the plasmid deposited with ATCC as Accession Numberor
	 ;	
	b)	a fragment of a polypeptide comprising the amino acid sequence of SEQ
10	ID NO:2, SE	Q ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid sequence
	encoded by the	he cDNA insert of the plasmid deposited with ATCC as Accession Number
	Number	,or, wherein the fragment comprises at least 15 contiguous
	amino acids	of SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an
	amino acid se	equence encoded by the cDNA insert of the plasmid deposited with ATCC
15	as Accession	Number or; and
	c)	a naturally occurring allelic variant of a polypeptide comprising the
	amino acid se	equence of SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11,
	or an amino a	acid sequence encoded by the cDNA insert of the plasmid deposited with
	ATCC as Ac	cession Number, or, wherein the polypeptide is
20	encoded by a	nucleic acid molecule which hybridizes to a nucleic acid molecule
	comprising S	EQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:7,
	SEQ ID NO:	9, SEQ ID NO:10, SEQ ID NO: 12, or a complement thereof under
	stringent con	ditions;
	comp	rising culturing the host cell of claim 5 under conditions in which the
25	nucleic acid	molecule is expressed.
	13.	A method for detecting the presence of a polypeptide of claim 8 in a
	sample, comp	orising:
	a)	contacting the sample with a compound which selectively binds to a
30	polypeptide o	of claim 8; and
	b)	determining whether the compound binds to the polypeptide in the
	sample.	

- 14. The method of claim 13, wherein the compound which binds to the polypeptide is an antibody.
- 15. A kit comprising a compound which selectively binds to a polypeptide of 5 claim 8 and instructions for use.
 - 16. A method for detecting the presence of a nucleic acid molecule of claim 1 in a sample, comprising the steps of:
- a) contacting the sample with a nucleic acid probe or primer which
 selectively hybridizes to the nucleic acid molecule; and
 - b) determining whether the nucleic acid probe or primer binds to a nucleic acid molecule in the sample.
- 17. The method of claim 16, wherein the sample comprises mRNA15 molecules and is contacted with a nucleic acid probe.
 - 18. A kit comprising a compound which selectively hybridizes to a nucleic acid molecule of claim 1 and instructions for use.
- 20 19. A method for identifying a compound which binds to a polypeptide of claim 8 comprising:
 - a) contacting a polypeptide, or a cell expressing a polypeptide of claim 8
 with a test compound; and
 - b) determining whether the polypeptide binds to the test compound.
 - 20. The method of claim 19, wherein the binding of the test compound to the polypeptide is detected by a method selected from the group consisting of:
 - a) detection of binding by direct detecting of test compound/polypeptide binding;
- 30 b) detection of binding using a competition binding assay;
 - c) detection of binding using an assay for LGR6-activity.

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- 21. A method for modulating the activity of a polypeptide of claim 8 comprising contacting a polypeptide or a cell expressing a polypeptide of claim 8 with a compound which binds to the polypeptide in a sufficient concentration to modulate the activity of the polypeptide.
- 22. A method for identifying a compound which modulates the activity of a polypeptide of claim 8, comprising:
 - a) contacting a polypeptide of claim 8 with a test compound; and
- b) determining the effect of the test compound on the activity of the
- polypeptide to thereby identify a compound which modulates the activity of the polypeptide.